

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/546,986
			Filing Date	April 11, 2000
			First Named Inventor	Powers, Scott
			Group Art Unit	1646
			Examiner Name	Mertz, Prema Maria
Sheet 1	of 24	Attorney Docket Number	018781-004720US	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		

FOREIGN PATENT DOCUMENTS							
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
BB	PCT	WO	96/30406	A1	Human Genome Sciences, Inc.	10-03-1996	
BC	PCT	WO	01/68805	A2	Senomyx, Inc.	09-20-2001	

Examiner Signature		Date Considered	4/20/05
--------------------	--	-----------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SF 1338895 v1

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known	
		Applicant Number	09/546,986
		Filing Date	April 11, 2000
		First Named Inventor	Powers, Scott
		Group Art Unit	1646
		Examiner Name	Mertz, Prema Maria
		Attorney Docket Number	018781-004720US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
2	C1	Birren, B. <i>et al.</i> "Homo sapiens chromosome 18, clone RP11-482N10" DATABASE GENEMBL (Online) Accession AC023386, nucleotides 98850-993300 and nucleotides 75400-76070.	
2	C2	Buck, <i>et al.</i> "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition" <i>Cell</i> (April 1991) Vol. 65, pp. 175-187.	
2	C3	Carmeci, <i>et al.</i> "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer" <i>Genomics</i> (November 1997) Vol. 45(3); pp. 607-617.	
2	C4	Drutel, G. <i>et al.</i> "Cloning of OL1, A Putative Olfactory Receptor and Its Expression in the Developing Rat Heart" <i>Receptors and Channels</i> (1995) Vol. 3, pp. 33-40.	
2	C5	Mikayama, <i>et al.</i> "Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-inhibition Factor" <i>Proc. Natl. Acad. Sci. USA</i> (November 1993) Vol. 90, pp. 10056-10060.	
2	C6	Nef, <i>et al.</i> "Spatial Pattern of Receptor Expression in the Olfactory Epithelium" <i>Proc. of Nat. Acad. Sci. USA</i> (October 1992) Vol. 89; pp. 8948-8952.	
2	C7	Voet, <i>et al.</i> "Sickle-Cell Anemia: The Influence of Natural Selection" <i>Biochemistry</i> , 10th Ed. published by John Wiley & Sons, Inc. (1990), pp. 228-234.	

Examiner Signature		Date Considered	4/29/05
--------------------	--	-----------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
SF 1338895 v1

Please type a plus sign (+) inside this box



PTO/SB/D8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known	
		Application Number	09/546,986
		Filing Date	April 11, 2000
		First Named Inventor	Powers, Scott
		Group Art Unit	1646
		Examiner Name	Prema Mertz, Ph.D.
Sheet <u>2</u> of <u>4</u>	Attorney Docket Number	018781-004720US	

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
<u>2</u>	AA	EPO	WO 01/27158	A2	Digiscents and Yeda Research	04-19-2001		<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

Examiner Signature		Date Considered	4-20-05
--------------------	--	-----------------	---------


*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SF 1271031 v1

4/4

FORM PTO-1449 (Modified)		Attorney Docket No.: 018781-004720US		Application No.: 09/546,986	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Scott Powers, et al.			
		Filing Date: April 11, 2000		Group: 1614	
Reference Designation		U.S. PATENT DOCUMENTS			Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class
FOREIGN PATENT DOCUMENTS					
	Document No.	Date	Country	Class	Sub-class
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
AA	Buck, et al. "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition"; <i>Cell</i> , Vol. 65, 175-187, April, 1991.				
EXAMINER  DATE CONSIDERED 7/24/00					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.